

Amendments to the Drawings:

The attached sheet of drawings includes changes to Fig. 1. This sheet replaces the original sheet.

In Fig. 1 the reference elements to the receive coils and the transmit coil have been more clearly indicated.

Attachment: Replacement Sheet

Annotated Sheet Showing Changes

REMARKS/ARGUMENTS

I. Fees

If there are any additional fees due in respect to this amendment, please charge them to Deposit Account No. 13-2165.

Authority is hereby given to charge any such deficiency, or credit any overpayment, to Deposit Account No. 13-2165 Mathews, Shepherd, McKay & Bruneau. The Examiner is invited to contact the undersigned if further information is required.

II. Shortened Statutory Period

The Office Communication of May 3, 2005, has a shorten statutory period ending on August 3, 2005. A petition for extension of time of 3 months through November 3, 2005 is enclosed.

III. 35 U.S.C. § 103(a)

It is the Examiner's opinion that claims 1-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hibard, U. S. Patent 6,249,594 in view of Puetter et al., U.S. Patent 5,912,993.

In the interest of prosecutorial efficiency applicant has amended the independent claims to more clearly state the present invention in view of the Examiner's comments.

The applicant by this amendment claims magnetic resonance imaging for in vivo flow parameter estimates which uses conditional probabilities based on Bayes' Theorem to resolve in vivo motion-intentional parameterized magnetic imaging data with respect to a dynamic magnetic resonance imaging model for blood flow velocity, acceleration, turbulence or phase shifts due to flow gradients, across a vessel.

Neither Hibard nor Puetter together teach all of the elements of the claimed invention as amended. The applicant respectfully requests withdrawal of the rejection under 35 USC 103(a).

IV. Specification Objection

The Examiner has objected to the specification due to an informality and has required correction. The applicant has made the required correction and respectfully requests withdrawal of the objection.

V. Drawing Objection

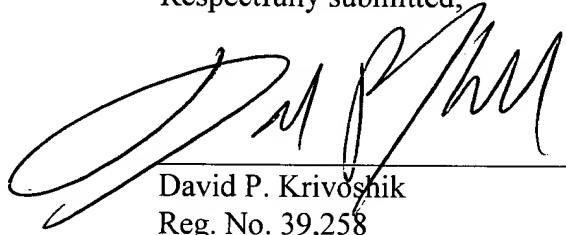
The Examiner has objected to the drawings for failure to comply with 37 CFR 1.84(p)(5) because reference characters are not mentioned in the description and that the references to 106 and 108 are not clear. The applicant has amended the specification to include there reference and corrected the reference elements to the receive coils and the transmit coil in Fig 1 to more clearly indicated. The applicant has made the required correction and respectfully requests withdrawal of the objection.

VI. Summary

By this amendment, applicant has amended the claims to more clearly state the present invention. Applicant believes that claims 1-22 are in condition for allowance.

Should there remain any questions or other matters whose resolution may be advanced by a telephone call, the Examiner is cordially invited to contact the applicant's undersigned attorney at his number below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D. P. Krivoschik', is written over a horizontal line.

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Date: November 3, 2005

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Fig. 1

